

RUDI FIRDAUS

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Undergraduate student in Data Science at Telkom University, specializing in Computer Vision and Data Engineering. Currently serving as Vice Head of Laboratory at MBC Laboratory, overseeing 55 active assistants across 4 functional divisions. Holds a strong technical track record as First Author at the international conference ICSINTESA, with internship experience as a Data Engineer, and achieved Top 10 Finalist in Dolanan Data Nexus 2026. Proficient in Python, SQL, and machine learning models to solve complex data mining challenges.

EDUCATION

Telkom University Bachelor of Data Science (GPA: 3.46 / 4.0)	Bandung, West Java Sep 2023 – Present
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PROFESSIONAL & RESEARCH EXPERIENCE

Multimedia Application, Big Data & Cybersecurity Laboratory Research Assistant	Bandung, West Java Oct 2024 – Present
- Conducted advanced research in computer vision, specifically focusing on vehicle object detection systems. - Successfully authored a research paper as First Author and received a Letter of Acceptance (LoA) for presentation at <i>The 2025 5th International Conference of Science and Information Technology in Smart Administration (ICSINTESA)</i>.	
PT Metrocom Global Solusi Intern Data Engineer	Bandung, West Java Jul 2025 – Aug 2025
Contributed to the development of data pipeline integration architecture and optimized database queries to improve system performance efficiency.	
Dolanan Data – Nexus 2026 Top 10 Finalist	Surabaya, East Java May 2026 – June 2026
Achieved Top 10 Finalist standing in Dolanan Data Nexus 2026, a national data science competition organized by Telkom University Surabaya, competing against teams from across Indonesia.	
ADIKARA 2024 Data Mining Competition Competition Participant	Bandung, West Java Dec 2024 – Jan 2025
- Developed machine learning models to solve real-world data mining challenges and effectively communicated technical findings, contributing to the achievement of the Best Presentation award. - Awarded <i>Honorable Mention for Best Presentation</i>, demonstrating strong public speaking and communication skills.	

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Multimedia Application, Big Data & Cybersecurity Laboratory Vice Head of Laboratory	Bandung, West Java May 2026 – Present
- Serve as Vice Head of Laboratory with direct responsibility for overseeing the Functional department, encompassing 4 divisions: Event, Multimedia, Technical Support, and Social Media. - Assist the Head of Laboratory in managing overall laboratory operations with a total of 54 active assistants. - Coordinate the planning and execution of cross-divisional work programs to support both academic and non-academic laboratory activities.	
Multimedia Application, Big Data & Cybersecurity Laboratory Head of Big Data Division	Bandung, West Java Jun 2025 – May 2026
- Led and directly mentored 16 research assistants across 4 specialization teams and 2 individual tracks, overseeing the full research lifecycle from inception to completion. - Achieved a 100% project success rate over 11 months, producing 6 successful international conference publications. - Designed and implemented the '<i>Agile Big Data Productivity Framework</i>' which standardized research and product development workflows through weekly sprint cycles, ensuring progress transparency and coordination efficiency across 16 research assistants.	
Study Group Digital Learning 2025 (by MBC Laboratory) Chief Organizer	Bandung, West Java Mar 2025 – Jun 2025
- Organized a month-long study group for 80+ participants, delivering foundational workshops in Big Data, Cybersecurity, Game Tech, and GIS to enhance students' technical skills. - Managed 4-week curriculum delivery and technical mentoring, ensuring a 100% program completion rate and high participant engagement across all laboratory divisions. - Coordinated alumni sharing sessions from Pertamina and Telkom Indonesia, focused on professional image development and career readiness for students.	
Company Visit to IBM 2025 (by MBC Laboratory)	Bandung, West Java

Chief Organizer

Nov 2025 – Dec 2025

- Led strategic planning and execution of an industry visit for a 40-person delegation, managing end-to-end logistics and communication with IBM representatives.
- Designed the event concept and curriculum to ensure effective knowledge transfer on enterprise-level technology and industry workflows.

SKILLS & INTERESTS

Data Science & AI: Python, Tableau, SQL, Microsoft Excel, Google Sheets, Machine Learning, Computer Vision, Data Analysis, Data Mining.

Management & Soft Skills: Project Management, Strategic Planning, Stakeholder Relations, Public Speaking.

Languages: Bahasa Indonesia (Native), English (Professional Working Proficiency).